

FIG. 1

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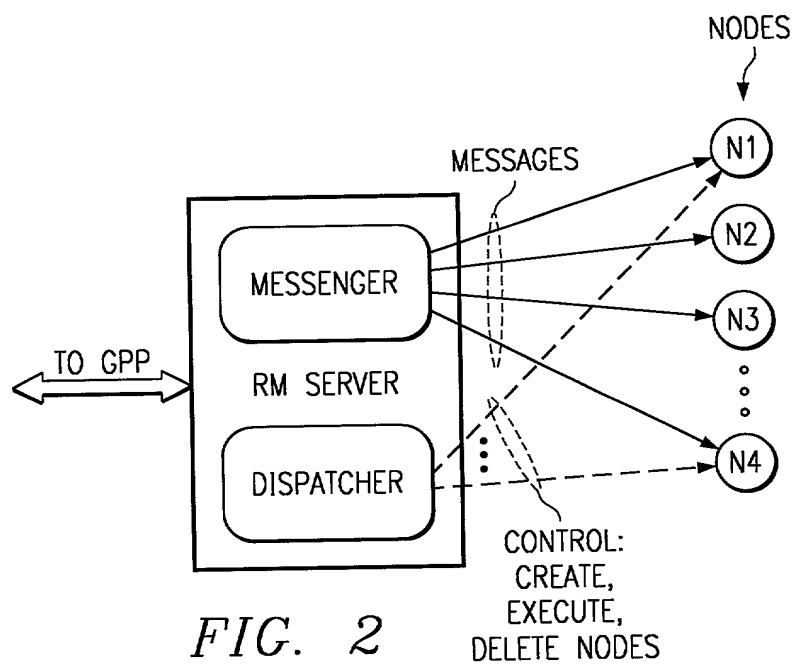


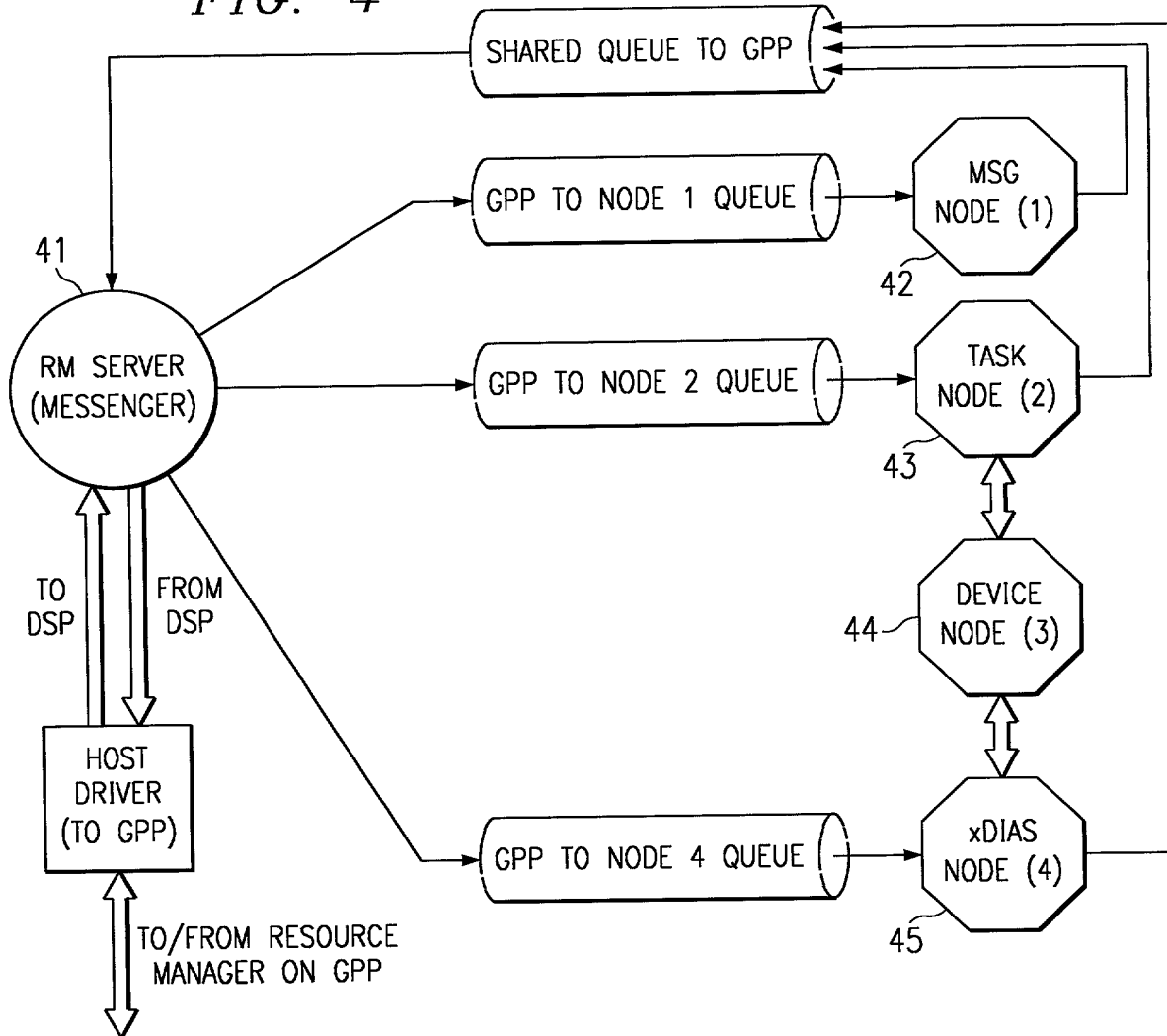
FIG. 2

SERVER FUNCTION	PURPOSE
RMS_queryServer	ALLOW GPP TO QUERY SERVER INFORMATION
RMS_configureServer	ALLOW GPP TO SET SERVER CONFIGURATION PARAMETERS
RMS_createNode	CREATE A MESSAGE, TASK, OR xDAIS SOCKET NODE
RMS_executeNode	LAUNCH A NODE INTO ITS EXECUTE PHASE
RMS_deleteNode	DELETE A NODE'S RESOURCES
RMS_changeNodePriority	CHANGE EXECUTION PRIORITY OF A NODE
RMS_readMemory	READ A WORD OF DSP MEMORY
RMS_writeMemory	WRITE A BLOCK OF DSP MEMORY

FIG. 3

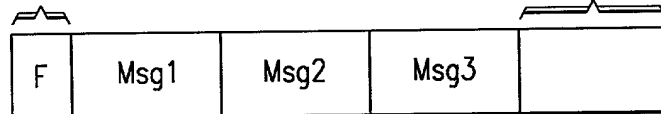
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FIG. 4



CONTENT FLAG: NON-ZERO =  
NUMBER OF MESSAGES IN BUFFER

UNUSED SPACE



MESSAGE CONTENTS:

Cmd

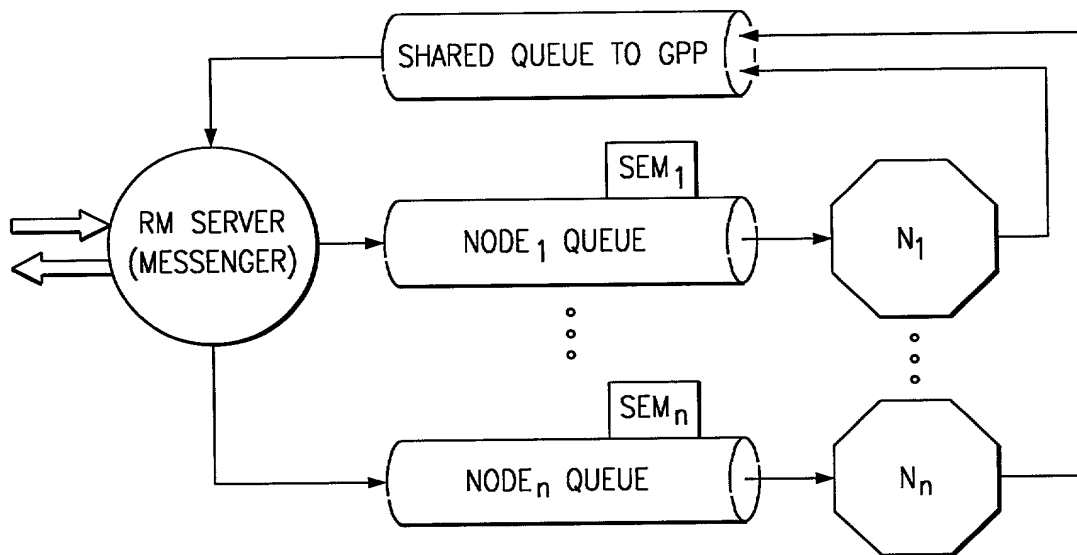
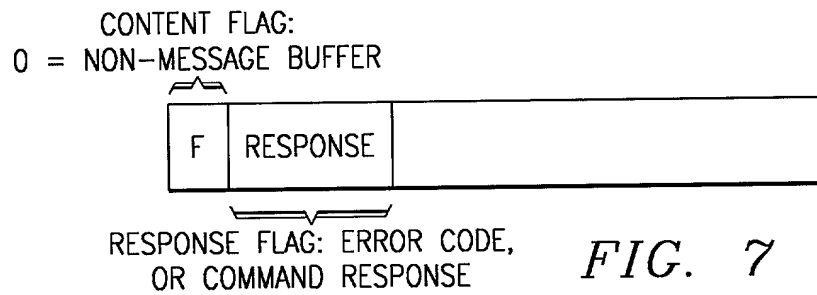
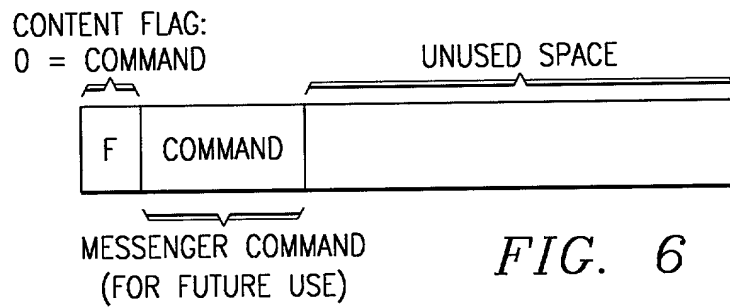
Arg1

Arg2

NODE ENVIRONMENT

FIG. 5

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FIG. 9

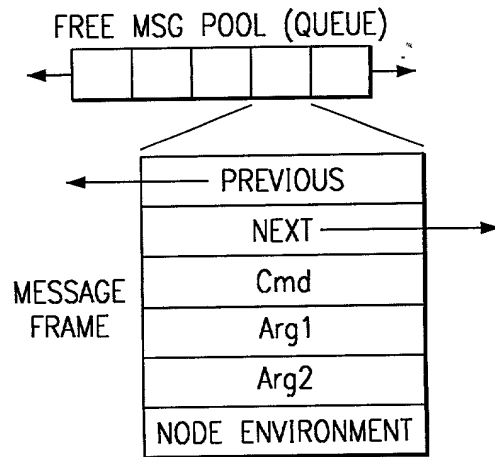
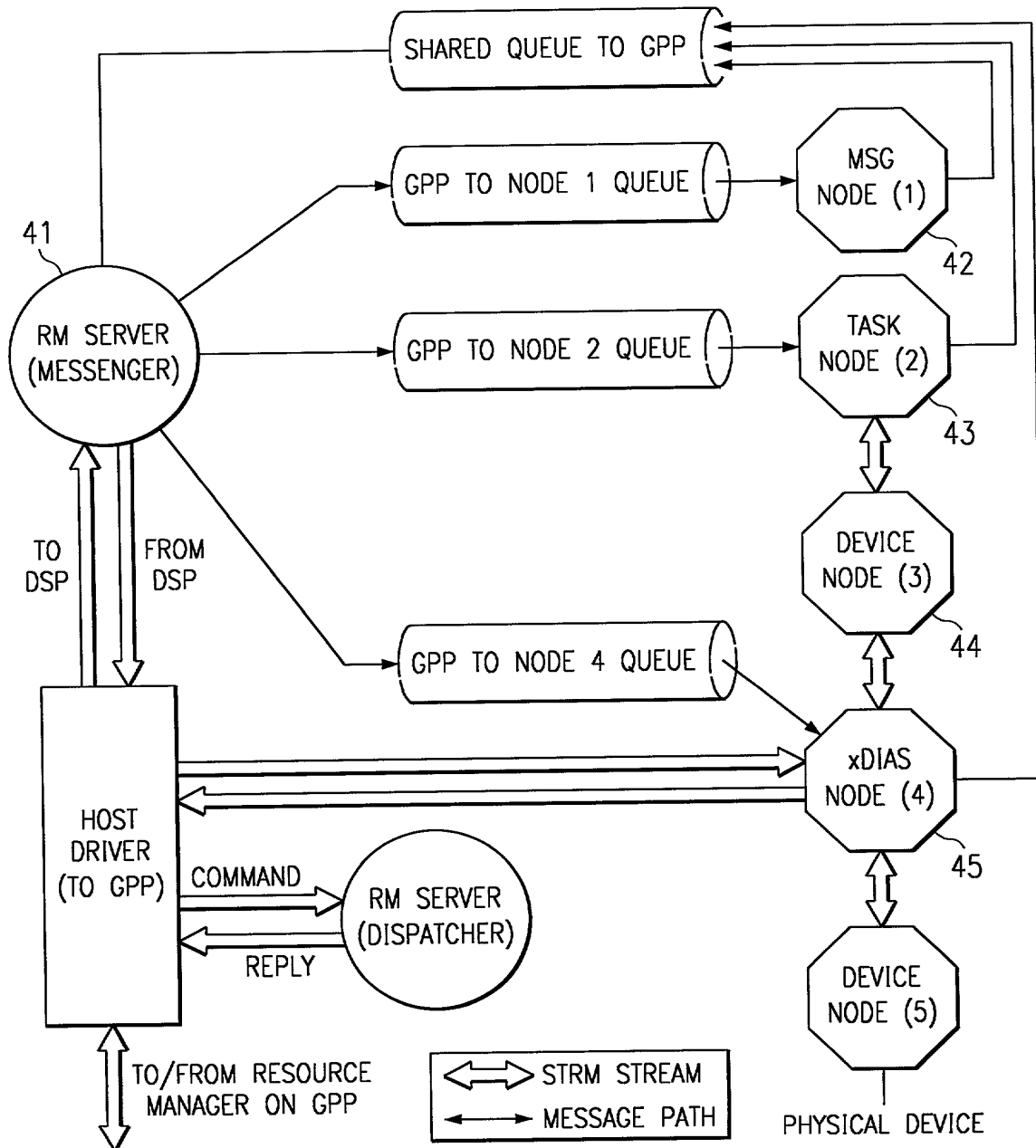


FIG. 10



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COMMAND FIELD (32-BITS)	CONTENTS
fxn	ADDRESS OF SERVER FUNCTION TO EXECUTE
arg1	SERVER FUNCTION ARGUMENT 1
arg2	SERVER FUNCTION ARGUMENT 2
data[]	FUNCTION-SPECIFIC DATA ARRAY

FIG. 11

REPLY FIELD (32-BITS)	CONTENTS
RESULT	NODE OR SERVER FUNCTION RETURN CODE
arg1	COMMAND-SPECIFIC RETURN ARGUMENT 1
arg2	COMMAND-SPECIFIC RETURN ARGUMENT 2

FIG. 12

SERVER FUNCTION	RESULT	arg1	arg2
RMS_queryServer	QUERIED VALUE	—	—
RMS_configureServer	SUCCESS/FAIL RETURN CODE	—	—
RMS_createNode	nodeCreate RETURN CODE	NODE ENVIRONMENT PTR	—
RMS_executeNode	nodeExecute RETURN CODE, OR COMMAND ACK	—	—
RMS_deleteNode	nodeDelete RETURN CODE	—	—
RMS_changeNodePriority	SUCCESS/FAIL RETURN CODE	—	—
RMS_readMemory	MEMORY CONTENTS	—	—
RMS_writeMemory	SUCCESS/FAIL RETURN CODE	—	—

FIG. 13

FIG. 14

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RETURN CODE	ENUMERATED VALUE	MEANING
RMS_EOK	0	OK, NO ERROR
RMS_EOUTOFMEMORY	1	MEMORY ALLOCATION FAILURE
RMS_EMEMFREE	2	MEMORY DE-ALLOCATION FAILURE
RMS_EOUTOFIO	3	I/O ALLOCATION FAILURE
RMS_EIOFREE	4	I/O DE-ALLOCATION FAILURE
RMS_ERESOURCE	5	A RESOURCE WAS UNAVAILABLE
RMS_ENOTFOUND	6	SYMBOL OR MODULE NOT FOUND

